

FIG. 1

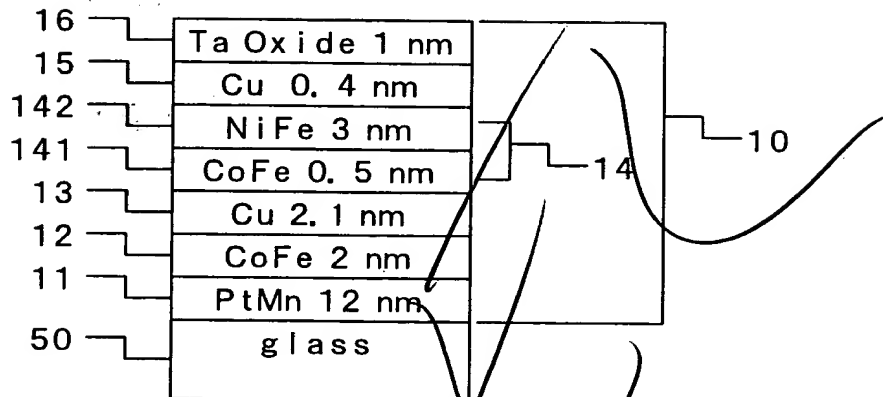


FIG. 2

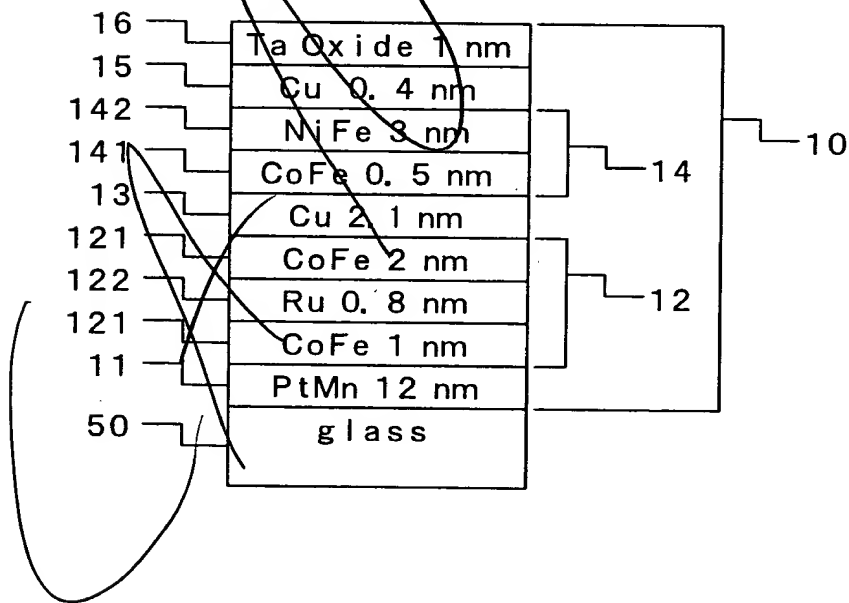


FIG. 3

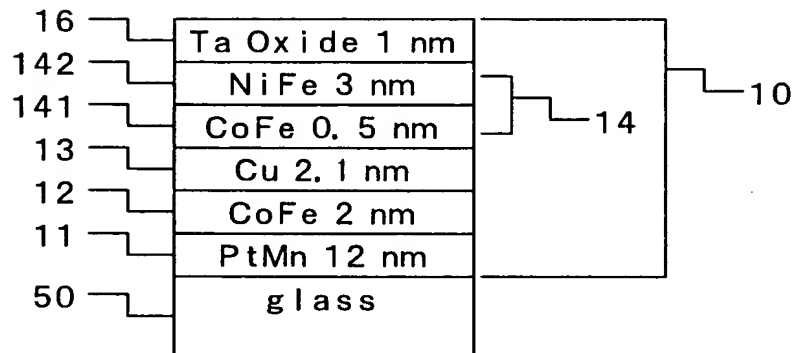


FIG. 4

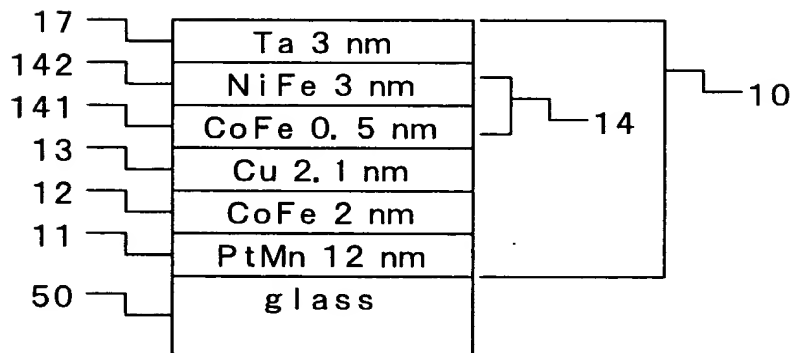


FIG. 5

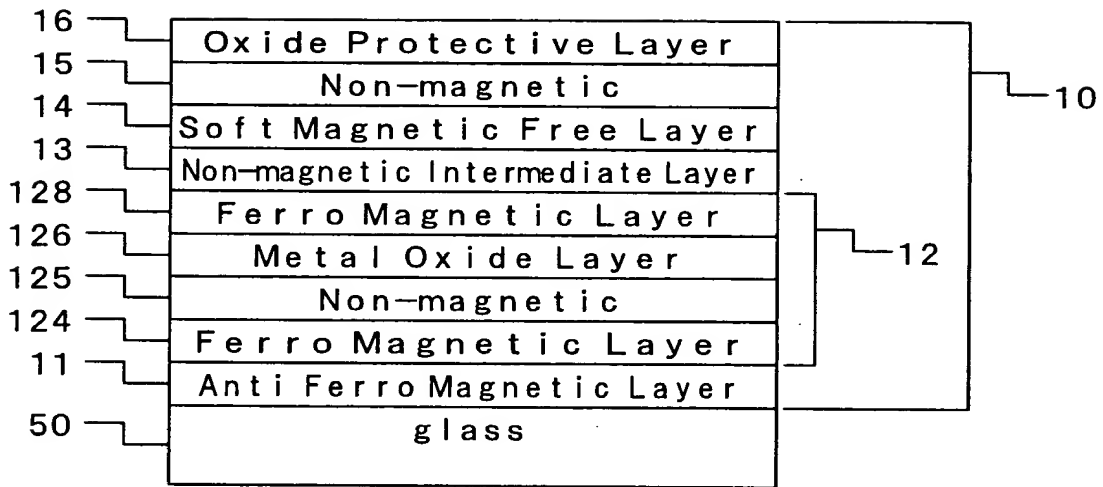


FIG. 6

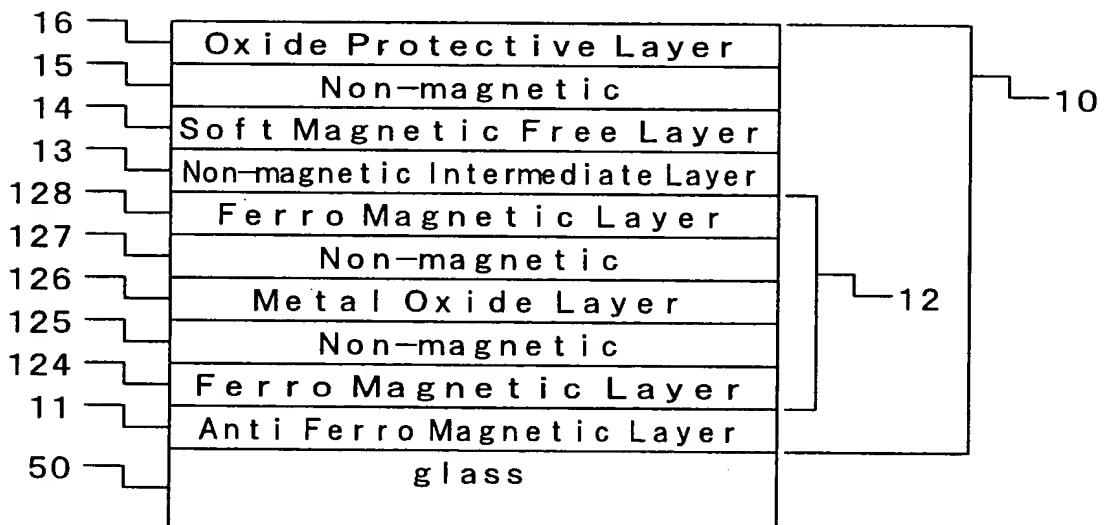
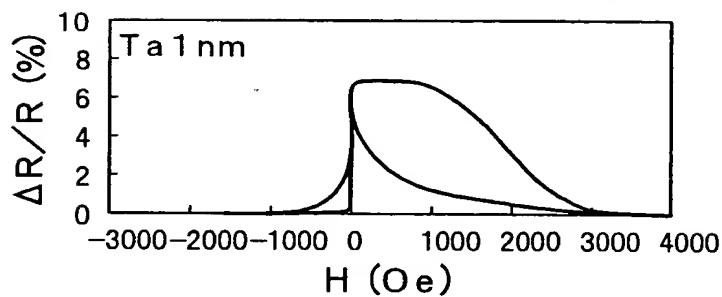
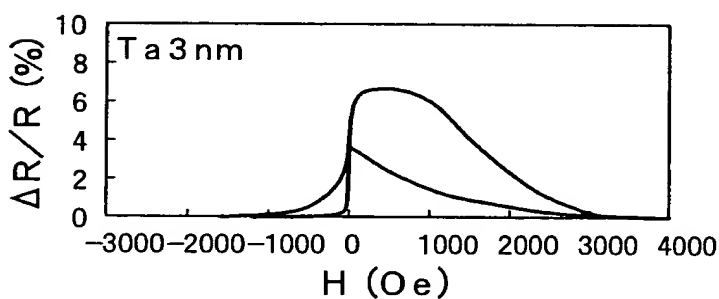


FIG. 7A

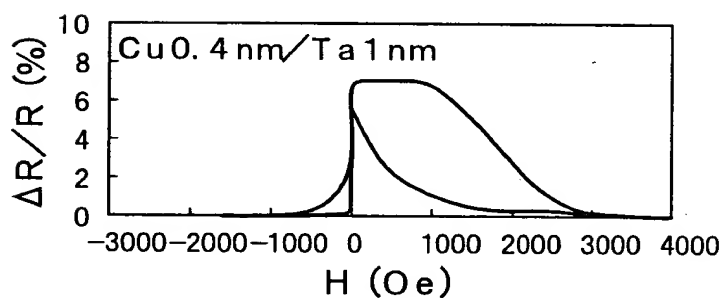


Ta Oxide 1 nm
NiFe 3 nm
CoFe 0.5 nm
Cu 2.1 nm
CoFe 2 nm
PtMn 12 nm
glass

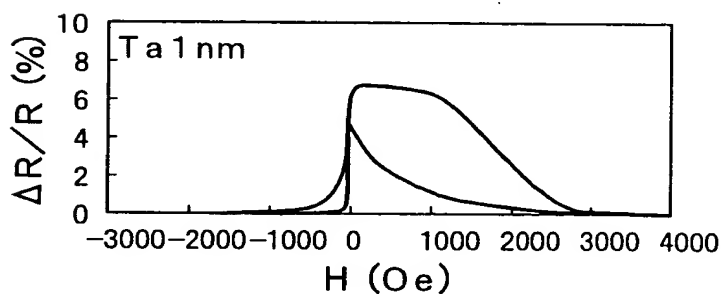


Ta 3 nm
NiFe 3 nm
CoFe 0.5 nm
Cu 2.1 nm
CoFe 2 nm
PtMn 12 nm
glass

FIG. 7B

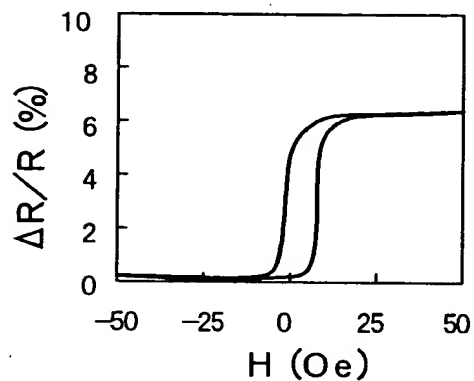


Ta Oxide 1 nm
Cu 0.4 nm
NiFe 3 nm
CoFe 0.5 nm
Cu 2.1 nm
CoFe 2 nm
PtMn 12 nm
glass

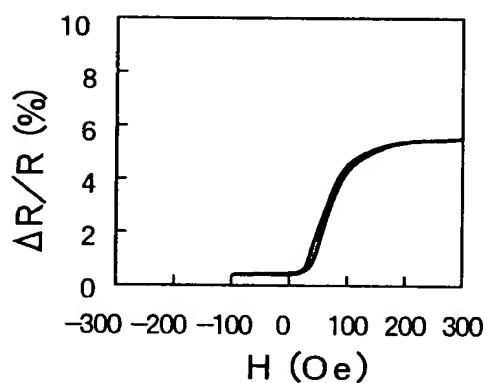


Ta Oxide 1 nm
NiFe 3 nm
CoFe 0.5 nm
Cu 2.1 nm
CoFe 2 nm
PtMn 12 nm
glass

FIG. 8A

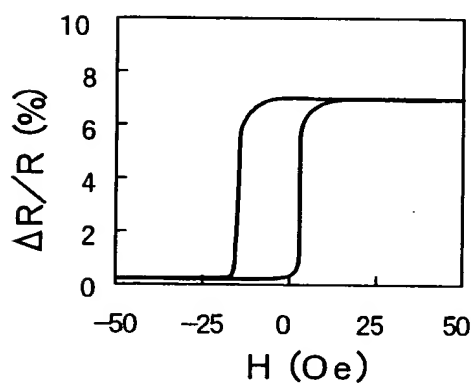


Ta Oxide 1 nm
NiFe 3 nm
CoFe 0.5 nm
Cu 2.1 nm
CoFe 2 nm
PtMn 12 nm
glass

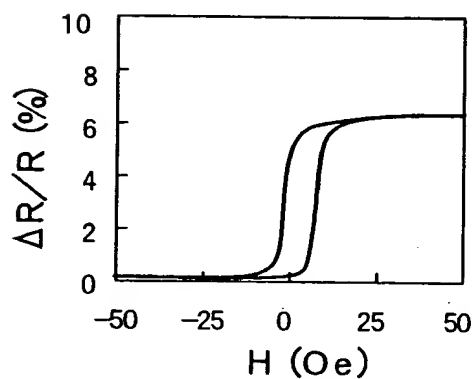


Ta 3 nm
NiFe 3 nm
CoFe 0.5 nm
Cu 2.1 nm
CoFe 2 nm
PtMn 12 nm
glass

FIG. 8B



Ta Oxide 1 nm
Cu 0.4 nm
NiFe 3 nm
CoFe 0.5 nm
Cu 2.1 nm
CoFe 2 nm
PtMn 12 nm
glass



Ta Oxide 1 nm
NiFe 3 nm
CoFe 0.5 nm
Cu 2.1 nm
CoFe 2 nm
PtMn 12 nm
glass

FIG. 9

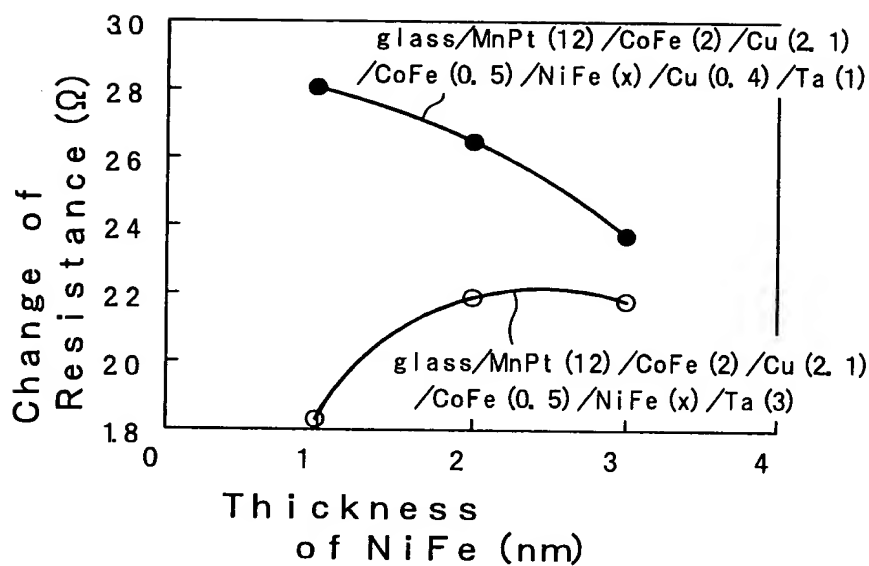


FIG. 10

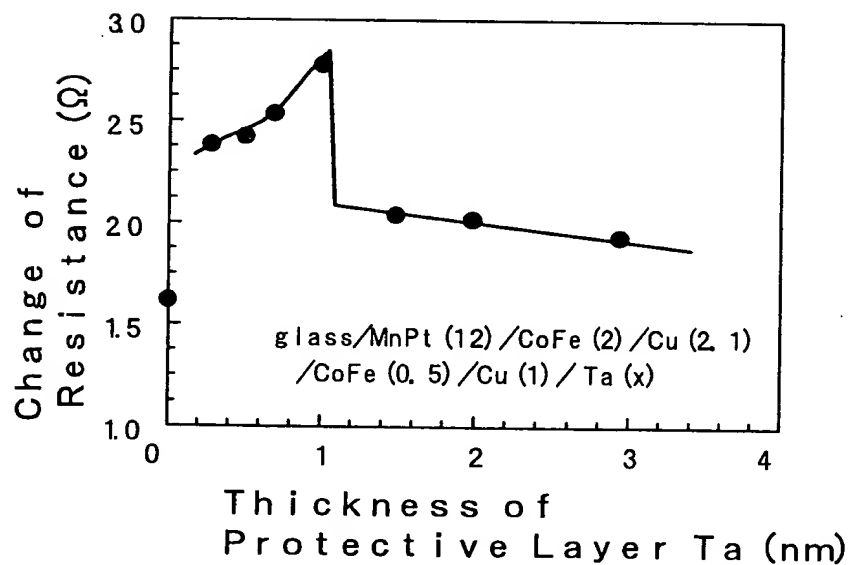


FIG. 11

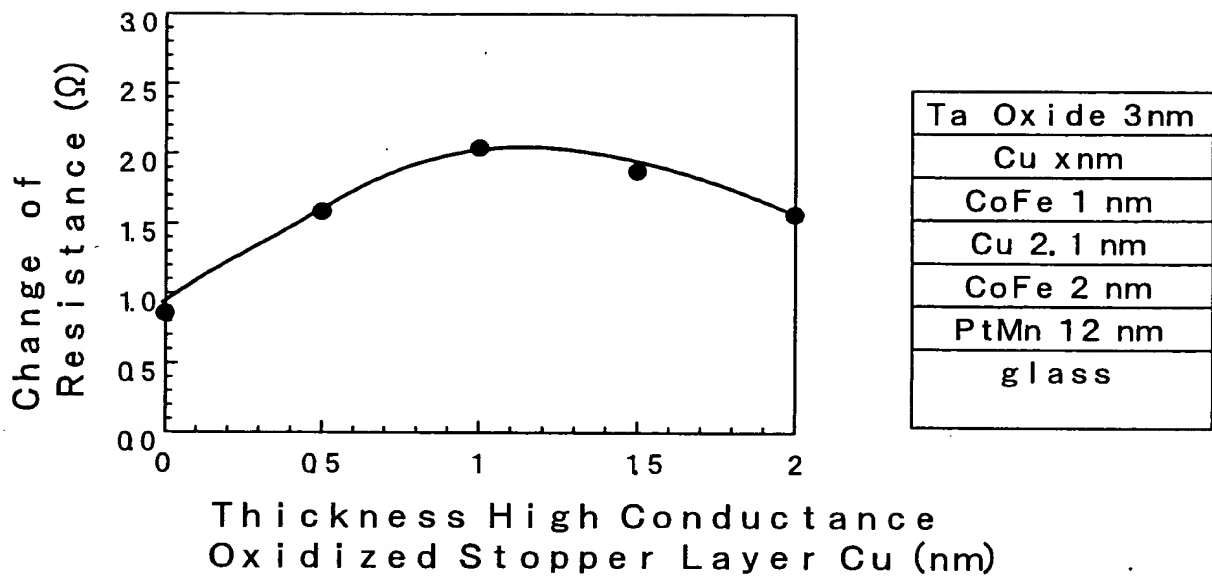


FIG. 12

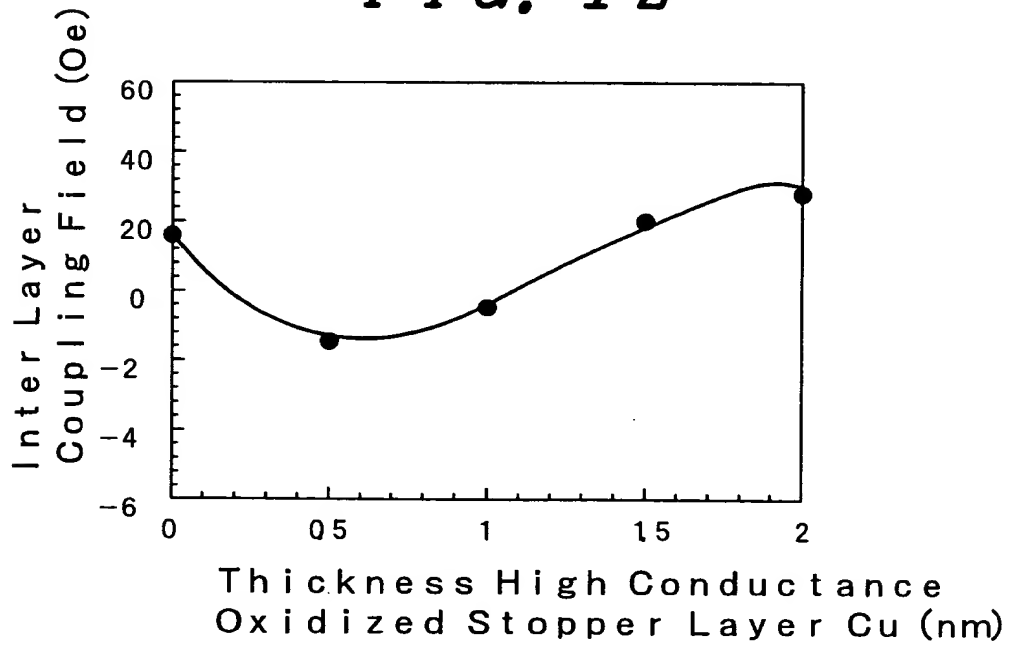


FIG. 13

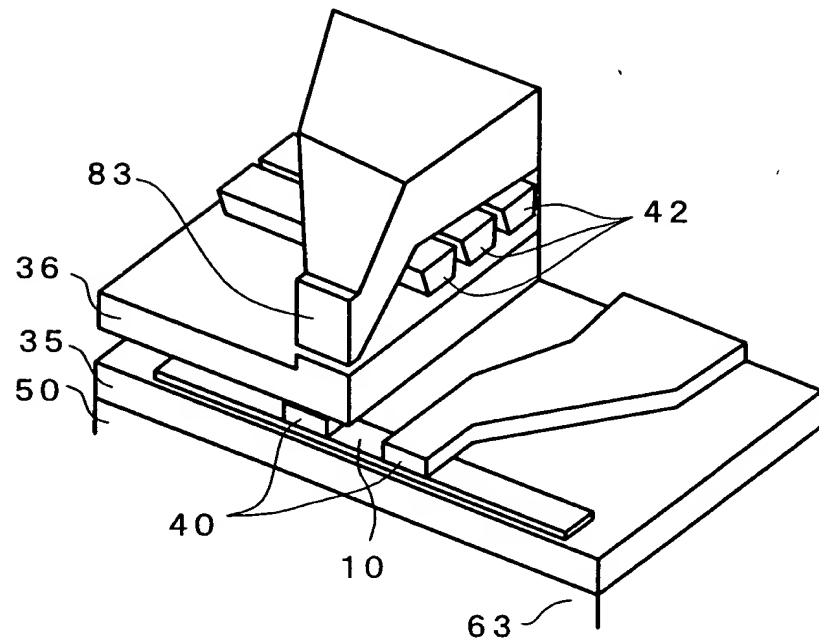


FIG. 14

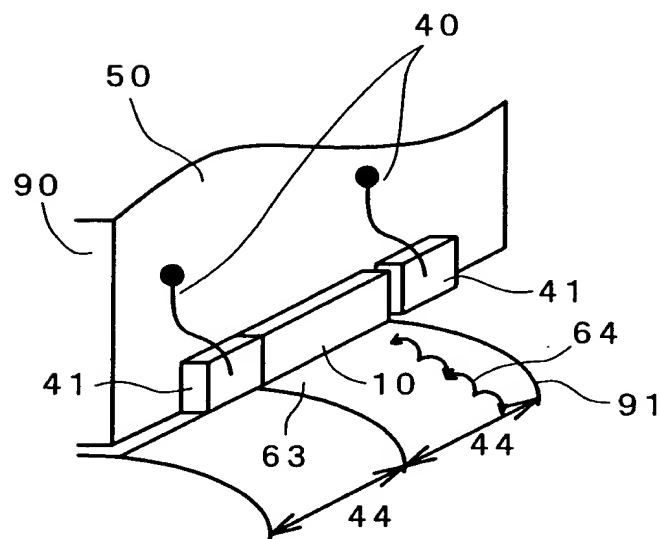


FIG. 15

